



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07238417 A**(43) Date of publication of application: **12.09.1995**(51) Int. Cl. **D01F 6/04**

B29C 55/06, D01F 6/46

// B29K 23:00, B29L 29:00

(21) Application number: **06166612**(22) Date of filing: **19.07.1994**(30) Priority: **28.12.1993 JP 05338393**(71) Applicant: **TANIYAMA KAGAKU KOGYO KK**(72) Inventor: **HONMA SHIRO****(54) THREAD-OR BELT-SHAPED PLASTICALLY DEFORMABLE POLYETHYLENE MATERIAL AND ITS PRODUCTION****(57) Abstract:**

PURPOSE: To produce a thread- or belt-shaped plastically deformable polyethylene material capable of attaining a high productivity by using a general-purpose polyethylene as the raw material and the conventional extrusion equipment and to provide its production method.

CONSTITUTION: This plastically deformable polyethy-

lene material is composed of a stretched polyethylene produced by melting and then solidifying a polyethylene having  $<3.5$  dl/g intrinsic viscosity  $[\eta]$ , e.g. high-density polyethylene or a mixture of polyethylene and another polyolefin, stretching the solidified material so as to give plastic deformation properties thereto and having  $\geq 0.25$  mm thickness of the thickest part. The characteristic of this plastically deformable polyethylene material is its plastic deformation properties represented by  $\leq 20^\circ$  recovery angle observed when bent by either angle of  $180^\circ$  or  $90^\circ$ .

COPYRIGHT: (C)1995,JPO